

Headquarters

AE Advanced Engineering
PO Box 282
M. 47, Nahalal 1060000
Israel
Tel: +972-4-6042604
Fax: +972-4-6042607
e-mail: sales@eshal.com

Programmable Dosage Display

With the UV-957-L, system setup and operation have never been easier! Set the required UV dosage on the digital control panel and press Start. The UV-957-L automatically measures and displays the accumulated UV dosage (mJ/cm²) on-line. When the required UV dosage is reached, the display flashes to signal the end of the process cycle.

Multi-functional Digital Display

The UV-957-L operator interface is a multi-function Operation Panel with digital process cycle timer, UV irradiation intensity and UV LED service life displays. The desired UV dosage (mJ/cm²) or irradiation time (seconds) is displayed on-line, as selected on the Operation Panel. When operated in UV Dosage mode, the UV intensity irradiation is monitored and the UV Dosage is displayed in real-time, for process quality assurance.

UV Source Service Life Time Meter

The accumulated UV source operating hours is displayed, indicating the correct UV source replacement interval, thus helping to ensure repeatable UV curing results and simplifying maintenance monitoring.

Compact Desktop Design

A compact system, the UV-957-L does not require nitrogen or other special utility hookups, allowing for simple installation. Highly compact, use it anywhere. Just plug it in and it is ready to go.

Safe, Ozone-free UV Irradiation

The UV-957-L uses optimized UV irradiation wavelength for the UV curing process. UV LED source do not require special cooling or nitrogen systems to counteract harmful ozone emissions. The UV-957-L provides a safe operating environment and economical utility requirements.

Technical Specifications

Wafer/Frame size	All Standard sizes, up to 12"
Effective UV wavelength	365nm
Throughput	Approx. 8 sec./frame*
Timer	Electronic. Resolution: 1 sec., max. period: 9,999 sec.
Electrical utility	110 Vac Or 240 Vac, 50/60 Hz
Power	700W (peak)
Dimensions	(HxWxD) 25x75x55 cm (10"x29.5"x21.5") Hight (including cover clearance): 75 cm (29.5")
Weight	57 kg (127.5.lbs.)

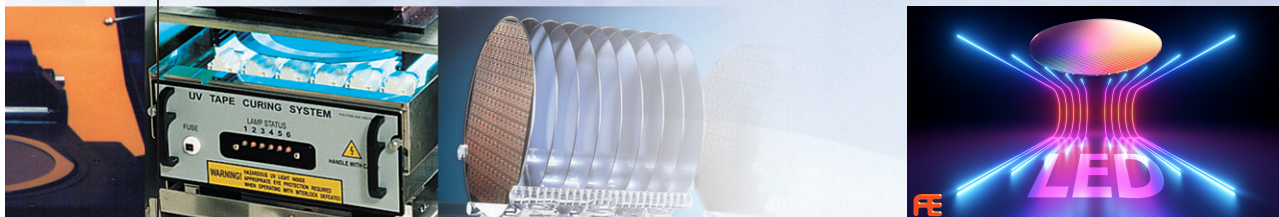
* For silicon wafer, using UV tape requiring curing irradiation of 200 mJ/cm².

For die sizes <2 x 2mm, ask about our Small Die Option.

• All other countries and general enquiries:

E-mail: sales@eshal.com

Visit us on the web: www.eshal.com



UV-957-L – 12" UV Curing System with Dosage Control – LED Unique High-Intensity UVA Light Source

General Description

The most advanced system in its class, AE's UV-957-L 12" Programmable Dosage Control UV Curing system incorporates sophisticated process monitoring for optimal UV curing processing. Providing secure process control and repeatable UV tape curing for single-frame processing, the UV-957-L digital control panel displays all process parameters on-line. The system handles all standard wafer/frame combinations up to 12" on its 420mm diameter UV irradiation window.

Reliable and Accurate with Built-in Process Monitoring Displays

The UV-957-L is based on AE's field-proven UV tape curing technology, and goes one step further with its programmable UV dosage mode display and UV LED service life metering. **Just check the tape manufacturer's datasheet, set the required UV curing dosage (mJ/cm²) and the UV-957-L, with its on-line UV intensity (mW/cm²) monitoring automatically ensures the required amount of UV irradiation reaches the tape.**

Simple to set up and operate, the UV-957-L uses ozone-free UV LED source, making it operator and environmentally friendly. No special nitrogen or cooling facilities are required, making the UV-957-L fully portable and economic to operate.

UV-957-L Features-at-a-Glance

- Programmable UV Dosage Control for Process Optimization
- Multi-functional Digital Control Panel
- On-line System Function Display:

- UV Curing Dosage/Time
- UV source Status Indicator LEDs
- UV Irradiation Intensity Meter
- UV LED Service Life Meter

- Compact, Tabletop Design
- Safe, Ozone-free UV Irradiation Source
- Processes All Standard Wafer/Frame Sizes, Up to 12"
- Digital Calibration*

* Requires use of AE UV-365 Radiometer

